IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 12-14, AMEND claims 1-4, 6, and 8-11 and ADD new claim 15 in accordance with the following:

1. (CURRENTLY AMENDED) A computer-readable recording medium that stores a task control computer program including computer executable instructions which when executed by a computer, cause the computer to execute ~~a General-Purpose operating system as a task by performing~~ an operation, comprising:

determining whether a non-idle process is included in processes to be executed under control of [[the]]a General-Purpose operating system based on a process identifier that indicates whether a process is the non-idle process or not and is stored in a process control block (PCB) of processes to be executed under control of the General-Purpose operating system, ~~wherein the process identifier indicates whether a process is the non-idle process or not and~~ the non-idle process [[is]]being a process waiting for execution under control of the General-Purpose operating system, other than an idle process executed when the General-Purpose operating system proceeds to an idle state; and

changing a priority of the task to a higher priority by reading the higher priority stored in a storage unit as a system parameter and setting the priority of the task to the higher priority when it is determined at the determining that the processes to be executed under control of the General-Purpose operating system include the non-idle process, the higher priority being set higher than a primary priority of the task to execute the General-Purpose operating system under control of which the non-idle process is executed, the task being executed under control of [[a]] the Real-Time operating system.

2. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, ~~further comprising~~ wherein a system call that executes the determining and the changing is implemented.

3. (CURRENTLY AMENDED) The computer-readable recording medium that stores the

task control computer program according to claim 1, ~~further~~ comprising:

changing priority of the task to the primary priority lower than the higher priority by reading the primary priority stored in the storage unit as a system parameter and setting the priority of the task to the primary priority after the <u>General-Purpose</u> operating system has been executed at the higher priority for a predetermined period of time.

4. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, wherein the determining comprises:

~~determining whether the non-idle process is executable under the control of the operating system;~~

determining whether a schedule request for one of the processes to be executed under control of the operating system has been made to the operating system; and

determining whether an interruption request has been made to the operating system based on an interruption request flag set when an interruption to the operating system is required.

5. (CANCELLED)

6. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 4, wherein the determining whether the schedule request has been made to the <u>General-Purpose</u> operating system is based on a schedule request flag stored in the process control block of one of the processes to be executed under control of the operating system.

7. (CANCELLED)

8. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 1, wherein the primary priority of the task is changed to the higher priority when a predetermined period of time has elapsed after it is determined at the determining that the non-idle process waiting for the execution is included in the processes to be executed under control of the <u>General-Purpose</u> operating system.

9. (CURRENTLY AMENDED) A task control apparatus, comprising:

a storage device storing computer-readable instructions, execution of the instructions by

the task control apparatus facilitates causing a computer to execute a General-Purpose operating system as a task under control of a Real-Time operating system, execution of the instructions configuring the task control apparatus to include

a process control block (PCB) that stores a process identifier that indicates whether a process is a non-idle process or not;

a determining unit that determines whether the process is the non-idle process or not and the non-idle process is executable under control of the General-Purpose operating system based on the process identifier stored in the process control block (PCB) of processes to be executed under control of the General-Purpose operating system, wherein the non-idle process is a process waiting for execution as the task under control of the General-Purpose operating system, other than an idle process executed when the General-Purpose operating system proceeds to an idle state; and

a changing unit that changes a priority of the task to a higher priority by reading the higher~~primary~~ priority stored in a storage unit as a system parameter and setting the priority of the task to the ~~priority~~ higher ~~than the primary~~ priority when it is determined that the processes to be executed under control of the General-Purpose operating system include the non-idle process, the higher priority being set higher than a primary priority of the task to execute the General-Purpose operating system under control of which the non-idle process is executed, the task being executed under control of [[a]]the Real-Time operating system.

10. (CURRENTLY AMENDED) A task control method for ~~causing~~ a computer ~~to execute a General-Purpose operating system as a task,~~ comprising:

executing a General-Purpose operating system as a task under control of a Real-Time operating system;

determining whether processes to be executed under control of the General-Purpose operating system include a non-idle process based on a process identifier stored in a process control block (PCB) of processes to be executed under control of the General-Purpose operating system, ~~wherein~~ the process identifier ~~indicates~~ indicating whether a process is the non-idle process or not and the non-idle process is a process waiting for execution as the task under control of the General-Purpose operating system, other than an idle process executed when the General-Purpose operating system proceeds to an idle state; and

changing a priority of the task to a higher priority by reading the higher priority ~~higher~~ than ~~the~~ a primary priority stored in the storage unit as a system parameter and setting the priority of the task to the higher priority ~~higher than the primary priority~~ when it is determined at the

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determining that processes to be executed under control of the General-Purpose operating system include the non-idle process, the higher priority being set higher that a primary priority of the task to execute the General-Purpose operating system under control of which the non-idle process is executed, the task being executed under control of [[a]]the Real-Time operating system.

11. (CURRENTLY AMENDED) The computer-readable recording medium that stores the task control computer program according to claim 2, further comprising:

changing the priority of the task to the primary priority lower than the higher priority by reading the primary priority stored in the storage unit as a system parameter and setting the priority of the task to the primary priority after the operating system has been executed at the higher priority for a predetermined period of time.

12. (CANCELLED)

13. (CANCELLED)

14. (CANCELLED)

15.   (NEW) A non-transitory computer-readable medium storing a control program that causes a computer to execute a procedure, the procedure comprising:

controlling execution of a task and a process of an operation system based on a priority of the operation system;

obtaining identification information, which is stored in a storage area controlled by the operating system, of a processing controlled by the operation system based on address information of the storage area, the address information being included in control information used in the controlling; and

changing a first value of the priority to a second value of the priority when the identification information indicates non-idle processing, wherein the second value is higher than the first value.